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Taliesin, John [GB/GB]; 20 King George Close, Charl-
ton Park, Cheltenham, Gloucestershire GL53 7RW (GB).
LAMPERTH, Michael, Ulrich [CH/GB]; 11 Willowmead
Close, Goldsworth Park, Woking, Surrey GU21 3DN (GB).

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(74) Agent: **BUTLER, Lance**; Barker Brettell, 10-12 Priests
Bridge, London SW15 5JE (GB).

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(71) Applicant (*for all designated States except US*): **EXS-
TENT LIMITED** [GB/GB]; Royal Brompton Hospital,
Sydney Street, London SW3 6NP (GB).

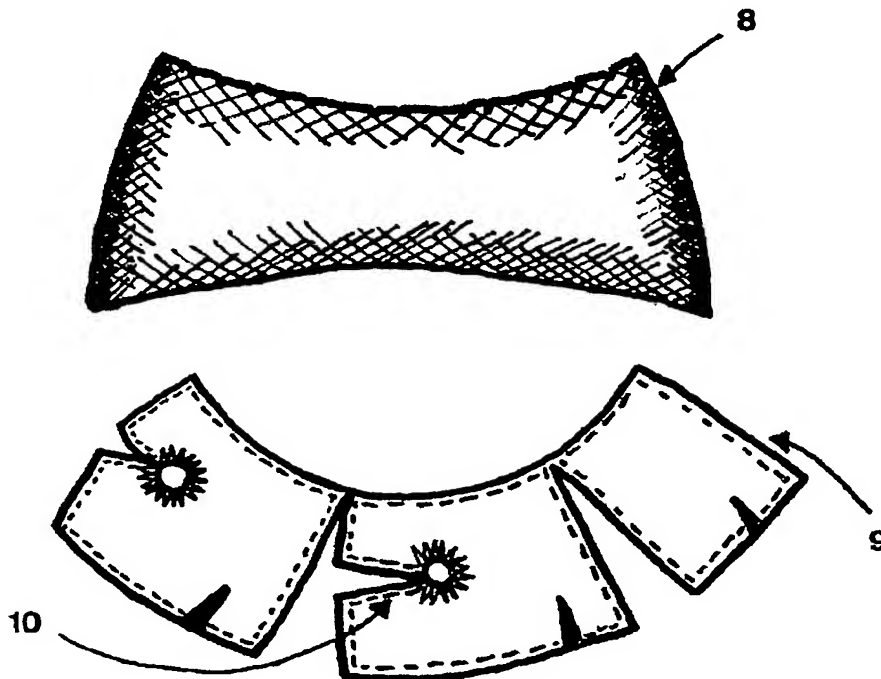
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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **GOLESWORTHY,**

[Continued on next page]

(54) Title: **EXTERNAL STENT**



(57) Abstract: A stent is provided for external application to an artery in which an aneurysm has occurred or is about to occur to provide support thereto, the stent being of bespoke character by virtue of its creation to conform morphologically to the actual contour of the artery captured using for example MRI, CAD and RP.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 476 471 A (SHIFRIN EDWARD G ET AL) 19 December 1995 (1995-12-19) claims; figures	1-5,7, 11,12, 15,16, 18,19, 21,22, 24-26
X	WO 02/39906 A (AVANTEC VASCULAR CORP ;GERTNER KEVIN (US); MOTASIM SIRHAN (US); YA) 23 May 2002 (2002-05-23) page 10, line 15 -page 11, line 11; figures page 12, line 17 -page 17, line 31	1,2,4, 7-10,15, 18,19, 21,22, 24-26
A	---	23
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Neumann, E

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/40755 A (GORE & ASS) 6 November 1997 (1997-11-06) page 7, line 17 - line 28; claims 1,2,7,17,18; figures ----	1,2,4, 6-8,19, 21,22, 24,26
A	US 5 246 456 A (WILKINSON LAWRENCE H) 21 September 1993 (1993-09-21) column 3, line 39 -column 4, line 6; figures ----	1-3,5,7, 8,19,21, 22,24
X	EP 1 177 779 A (MANI INC) 6 February 2002 (2002-02-06) paragraph '0012! - paragraph '0014!; figures paragraph '0036! - paragraph '0037! paragraph '0051! ----	27-31,36
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A	US 5 741 215 A (D URSO PAUL STEVEN) 21 April 1998 (1998-04-21) column 6, line 29 - line 43; figures column 8, line 45 -column 9, line 2 ----	27-31
A	US 6 165 193 A (ROSENBLUTH ROBERT F ET AL) 26 December 2000 (2000-12-26) column 5, line 53 -column 6, line 25; figures -----	27-31

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 03/04135

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-26

External blood vessel stent and means for maintaining the stent in morphological relationship with the stent

2. Claims: 27-36

A method of manufacturing a stent by producing a 3D computerised model from a scanned image of a blood vessel

INTERNATIONAL SEARCH REPORT

International Application No

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